

8

RAW SEQUENCE LISTING

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Application Serial Number: 10/S20/626

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DATE: 04/19/2006

PATENT APPLICATION: US/10/520,626

TIME: 12:38:36

Input Set : A:\17753200.APP

Output Set: N:\CRF4\04192006\J520626.raw

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3 <110> APPLICANT: ROSA-CALATRAVA, MANUEL
4     LEISSNER, PHILIPPE
5     LEGRAND, VALERIE
7 <120> TITLE OF INVENTION: MODIFIED ADENOVIRAL FIBER WITH ABLATED TO CELLULAR
8     RECEPTORS
10 <130> FILE REFERENCE: 017753-200
12 <140> CURRENT APPLICATION NUMBER: 10/520,626
13 <141> CURRENT FILING DATE: 2005-01-10
15 <150> PRIOR APPLICATION NUMBER: PCT/IB03/003336
16 <151> PRIOR FILING DATE: 2003-07-10
18 <150> PRIOR APPLICATION NUMBER: EP 02360204.8
19 <151> PRIOR FILING DATE: 2002-07-10
21 <150> PRIOR APPLICATION NUMBER: US 60/409,228
22 <151> PRIOR FILING DATE: 2002-09-10
24 <160> NUMBER OF SEQ ID NOS: 13
26 <170> SOFTWARE: PatentIn Ver. 3.3
28 <210> SEQ ID NO: 1
29 <211> LENGTH: 581
30 <212> TYPE: PRT
31 <213> ORGANISM: Adenovirus serotype 5
33 <400> SEQUENCE: 1
34 Met Lys Arg Ala Arg Pro Ser Glu Asp Thr Phe Asn Pro Val Tyr Pro
35   1           5           10           15
37 Tyr Asp Thr Glu Thr Gly Pro Pro Thr Val Pro Phe Leu Thr Pro Pro
38           20           25           30
40 Phe Val Ser Pro Asn Gly Phe Gln Glu Ser Pro Pro Gly Val Leu Ser
41           35           40           45
43 Leu Arg Leu Ser Glu Pro Leu Val Thr Ser Asn Gly Met Leu Ala Leu
44           50           55           60
46 Lys Met Gly Asn Gly Leu Ser Leu Asp Glu Ala Gly Asn Leu Thr Ser
47  65           70           75           80
49 Gln Asn Val Thr Thr Val Ser Pro Pro Leu Lys Lys Thr Lys Ser Asn
50           85           90           95
52 Ile Asn Leu Glu Ile Ser Ala Pro Leu Thr Val Thr Ser Glu Ala Leu
53           100          105          110
55 Thr Val Ala Ala Ala Ala Pro Leu Met Val Ala Gly Asn Thr Leu Thr
56           115          120          125
58 Met Gln Ser Gln Ala Pro Leu Thr Val His Asp Ser Lys Leu Ser Ile
59           130          135          140
61 Ala Thr Gln Gly Pro Leu Thr Val Ser Glu Gly Lys Leu Ala Leu Gln
62 145          150          155          160
64 Thr Ser Gly Pro Leu Thr Thr Thr Asp Ser Ser Thr Leu Thr Ile Thr
65          165          170          175

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67 Ala Ser Pro Pro Leu Thr Thr Ala Thr Gly Ser Leu Gly Ile Asp Leu
68                180                185                190
70 Lys Glu Pro Ile Tyr Thr Gln Asn Gly Lys Leu Gly Leu Lys Tyr Gly
71                195                200                205
73 Ala Pro Leu His Val Thr Asp Asp Leu Asn Thr Leu Thr Val Ala Thr
74                210                215                220
76 Gly Pro Gly Val Thr Ile Asn Asn Thr Ser Leu Gln Thr Lys Val Thr
77 225                230                235                240
79 Gly Ala Leu Gly Phe Asp Ser Gln Gly Asn Met Gln Leu Asn Val Ala
80                245                250                255
82 Gly Gly Leu Arg Ile Asp Ser Gln Asn Arg Arg Leu Ile Leu Asp Val
83                260                265                270
85 Ser Tyr Pro Phe Asp Ala Gln Asn Gln Leu Asn Leu Arg Leu Gly Gln
86                275                280                285
88 Gly Pro Leu Phe Ile Asn Ser Ala His Asn Leu Asp Ile Asn Tyr Asn
89                290                295                300
91 Lys Gly Leu Tyr Leu Phe Thr Ala Ser Asn Asn Ser Lys Lys Leu Glu
92 305                310                315                320
94 Val Asn Leu Ser Thr Ala Lys Gly Leu Met Phe Asp Ala Thr Ala Ile
95                325                330                335
97 Ala Ile Asn Ala Gly Asp Gly Leu Glu Phe Gly Ser Pro Asn Ala Pro
98                340                345                350
100 Asn Thr Asn Pro Leu Lys Thr Lys Ile Gly His Gly Leu Glu Phe Asp
101                355                360                365
103 Ser Asn Lys Ala Met Val Pro Lys Leu Gly Thr Gly Leu Ser Phe Asp
104                370                375                380
106 Ser Thr Gly Ala Ile Thr Val Gly Asn Lys Asn Asn Asp Lys Leu Thr
107 385                390                395                400
109 Leu Trp Thr Thr Pro Ala Pro Ser Pro Asn Cys Arg Leu Asn Ala Glu
110                405                410                415
112 Lys Asp Ala Lys Leu Thr Leu Val Leu Thr Lys Cys Gly Ser Gln Ile
113                420                425                430
115 Leu Ala Thr Val Ser Val Leu Ala Val Lys Gly Ser Leu Ala Pro Ile
116                435                440                445
118 Ser Gly Thr Val Gln Ser Ala His Leu Ile Ile Arg Phe Asp Glu Asn
119                450                455                460
121 Gly Val Leu Leu Asn Asn Ser Phe Leu Asp Pro Glu Tyr Trp Asn Phe
122 465                470                475                480
124 Arg Asn Gly Asp Leu Thr Glu Gly Thr Ala Tyr Thr Asn Ala Val Gly
125                485                490                495
127 Phe Met Pro Asn Leu Ser Ala Tyr Pro Lys Ser His Gly Lys Thr Ala
128                500                505                510
130 Lys Ser Asn Ile Val Ser Gln Val Tyr Leu Asn Gly Asp Lys Thr Lys
131                515                520                525
133 Pro Val Thr Leu Thr Ile Thr Leu Asn Gly Thr Gln Glu Thr Gly Asp
134                530                535                540
136 Thr Thr Pro Ser Ala Tyr Ser Met Ser Phe Ser Trp Asp Trp Ser Gly
137 545                550                555                560
139 His Asn Tyr Ile Asn Glu Ile Phe Ala Thr Ser Ser Tyr Thr Phe Ser

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140          565          570          575
142 Tyr Ile Ala Gln Glu
143          580
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147 <211> LENGTH: 42
148 <212> TYPE: DNA
149 <213> ORGANISM: Artificial Sequence
151 <220> FEATURE:
152 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
153     oligonucleotide
155 <400> SEQUENCE: 2
156 gcatttagtc tacagttagg ctctggagct ggtgtggtcc ac          42
159 <210> SEQ ID NO: 3
160 <211> LENGTH: 39
161 <212> TYPE: DNA
162 <213> ORGANISM: Artificial Sequence
164 <220> FEATURE:
165 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
166     oligonucleotide
168 <400> SEQUENCE: 3
169 gtttaggcata aatccaacgt cgtttgata ggctgtgcc          39
172 <210> SEQ ID NO: 4
173 <211> LENGTH: 39
174 <212> TYPE: DNA
175 <213> ORGANISM: Artificial Sequence
177 <220> FEATURE:
178 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
179     oligonucleotide
181 <400> SEQUENCE: 4
182 accgtgagat tttggatagt ctgatagggtt aggcataaa          39
185 <210> SEQ ID NO: 5
186 <211> LENGTH: 47
187 <212> TYPE: DNA
188 <213> ORGANISM: Artificial Sequence
190 <220> FEATURE:
191 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
192     oligonucleotide
194 <400> SEQUENCE: 5
195 ctacagttag gagatggagc gggcccggtc cacaaagtta gcttatac          47
198 <210> SEQ ID NO: 6
199 <211> LENGTH: 39
200 <212> TYPE: DNA
201 <213> ORGANISM: Artificial Sequence
203 <220> FEATURE:
204 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
205     oligonucleotide
207 <400> SEQUENCE: 6
208 gtctacagtt aggagatggc tttggtgtgg tccacaaag          39
211 <210> SEQ ID NO: 7

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212 <211> LENGTH: 33
213 <212> TYPE: DNA
214 <213> ORGANISM: Artificial Sequence
216 <220> FEATURE:
217 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
218     oligonucleotide
220 <400> SEQUENCE: 7
221 aagatgagca ctttgctttg ttccagatat tgg                      33
224 <210> SEQ ID NO: 8
225 <211> LENGTH: 39
226 <212> TYPE: DNA
227 <213> ORGANISM: Artificial Sequence
229 <220> FEATURE:
230 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
231     oligonucleotide
233 <400> SEQUENCE: 8
234 gtggccagac cagtcccact taaatgacat agagtatgc                39
237 <210> SEQ ID NO: 9
238 <211> LENGTH: 45
239 <212> TYPE: DNA
240 <213> ORGANISM: Artificial Sequence
242 <220> FEATURE:
243 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
244     oligonucleotide
246 <400> SEQUENCE: 9
247 acttttggca gttttaccct tagactgtgg ataagctgat aggtt        45
250 <210> SEQ ID NO: 10
251 <211> LENGTH: 60
252 <212> TYPE: DNA
253 <213> ORGANISM: Artificial Sequence
255 <220> FEATURE:
256 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
257     oligonucleotide
259 <400> SEQUENCE: 10
260 aacgattctt tagctgccgg gagcagaggc ggaggcggag gcgctggggtt cttgggcaat 60
263 <210> SEQ ID NO: 11
264 <211> LENGTH: 58
265 <212> TYPE: DNA
266 <213> ORGANISM: Artificial Sequence
268 <220> FEATURE:
269 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
270     oligonucleotide
272 <400> SEQUENCE: 11
273 cacaaacgat ctttacttct tcttttttct tcttttttga tccgggagcg aggcggag  58
276 <210> SEQ ID NO: 12
277 <211> LENGTH: 26
278 <212> TYPE: DNA
279 <213> ORGANISM: Artificial Sequence
281 <220> FEATURE:

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282 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
283 oligonucleotide
285 <400> SEQUENCE: 12
286 tgaaaaaatga ttcgaaattt tctgca 26
289 <210> SEQ ID NO: 13
290 <211> LENGTH: 12
291 <212> TYPE: PRT
292 <213> ORGANISM: Artificial Sequence
294 <220> FEATURE:
295 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
296 linker peptide
298 <400> SEQUENCE: 13
299 Pro Ser Ala Ser Ala Ser Ala Ser Ala Pro Gly Ser
300 1 5 10

VERIFICATION SUMMARY

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